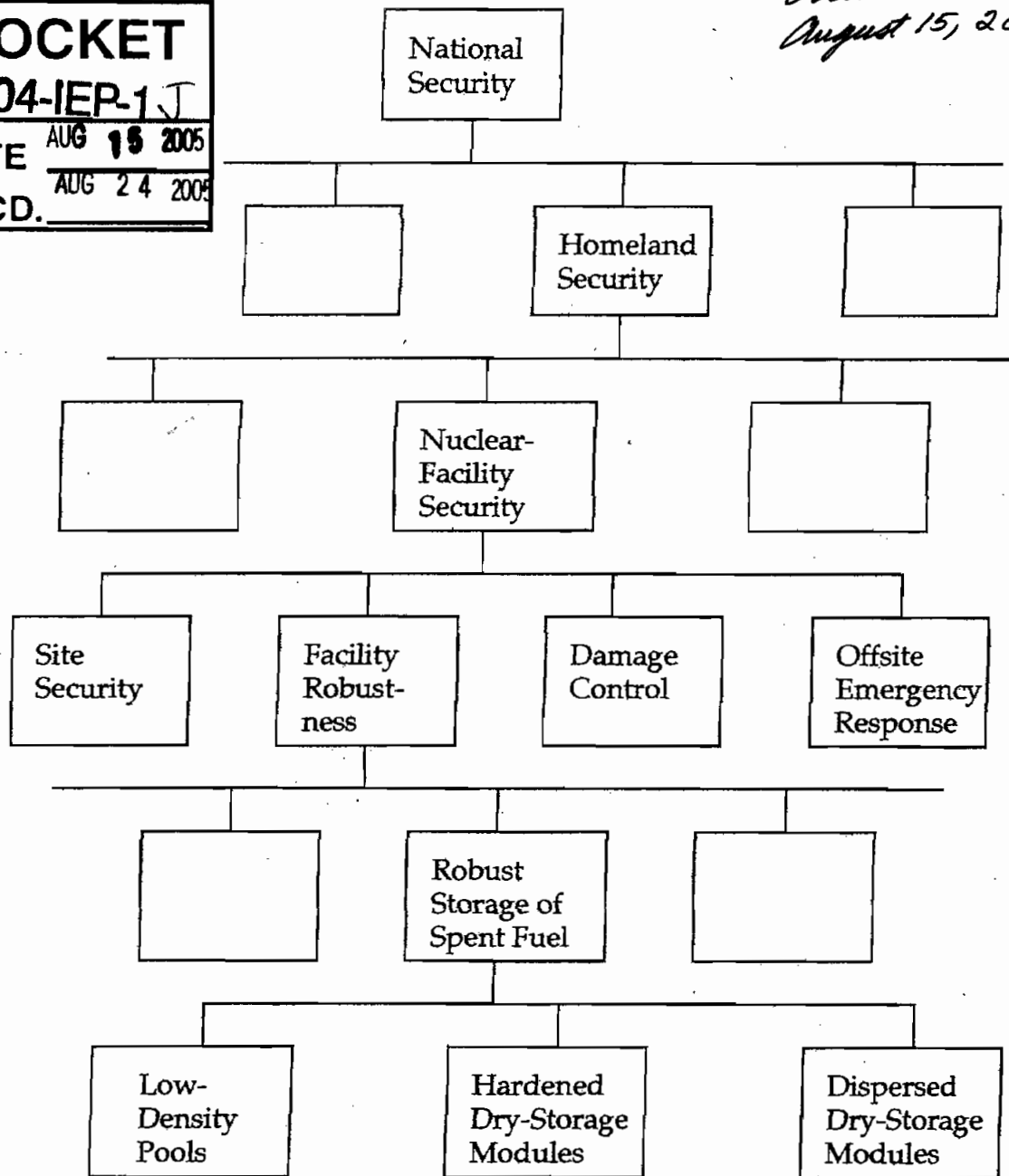


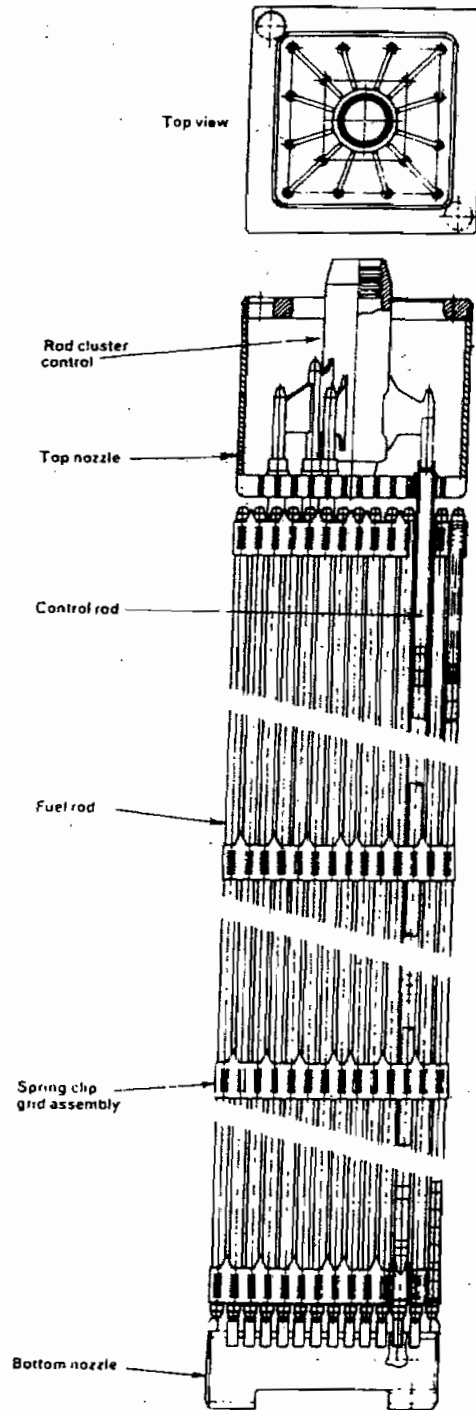
*Gordon Thompson's
Overhead Slides
August 15, 2005*

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**ROBUST STORAGE OF SPENT FUEL
IN THE CONTEXT OF NATIONAL SECURITY**

Typical PWR Fuel Assembly



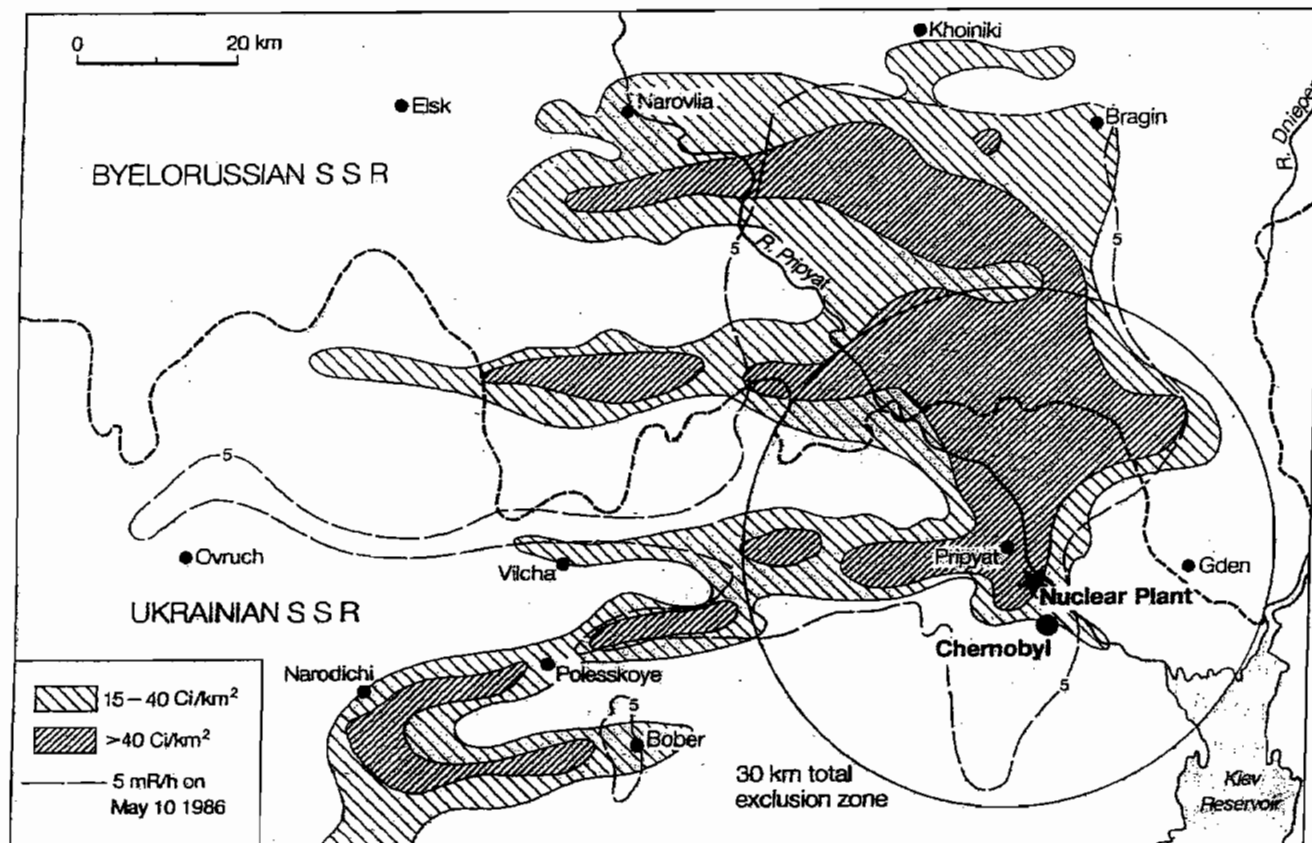
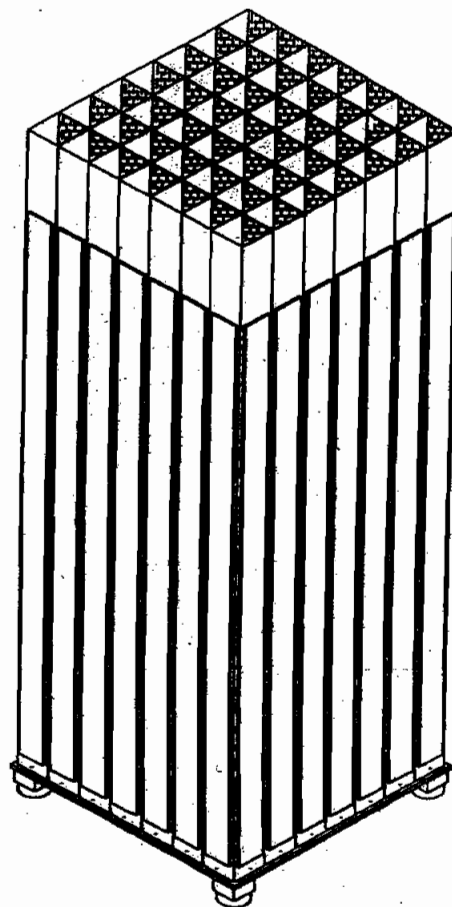
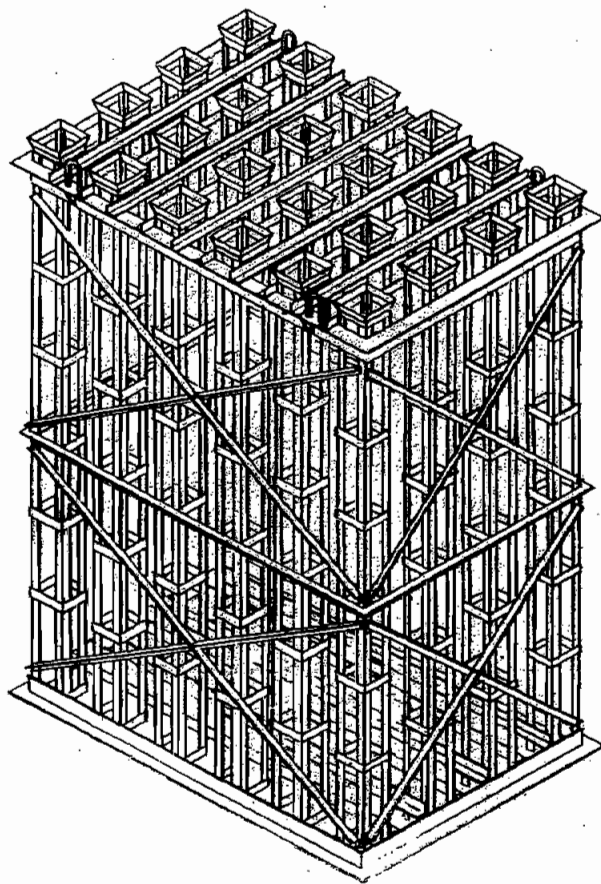


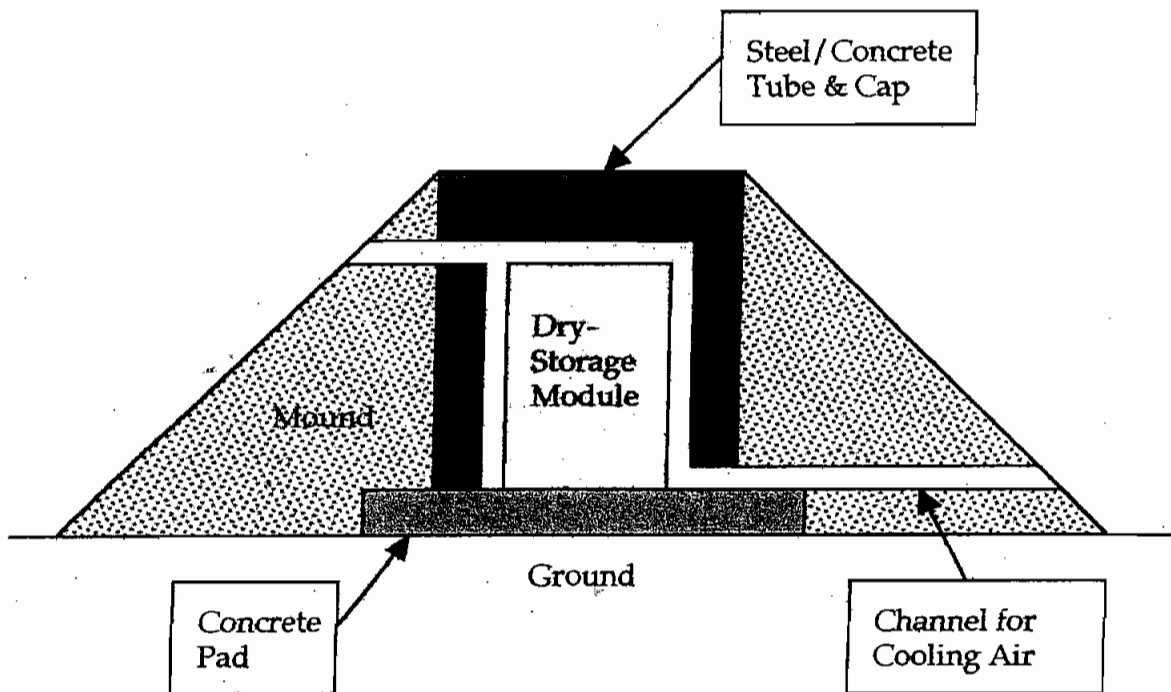
Figure 3.3b Areas of heavy contamination around the exclusion zone (marked by a 30 km radius circle) with the caesium-137 as measured during 1988. Only two levels are indicated. The contour marked by isolines indicates the territory which was contaminated above 5 mR/h of gamma radiation on 10 May, 1986.

(from Medvedev, 1990)

(4) LAND CONTAMINATION BY CESIUM-137 IN THE VICINITY OF CHERNOBYL



**(1) LOW AND HIGH-DENSITY RACKS
FOR POOL STORAGE OF SPENT FUEL**



SCHEMATIC VIEW OF PROPOSED DESIGN FOR HARDENED, DRY STORAGE

Notes

1. Cooling channels would be inclined, to prevent pooling of jet fuel, and would be configured to preclude line-of-sight access to dry-storage module.
2. The tube, cap and pad surrounding the dry-storage module would be tied together with steel rods, and spacer blocks would prevent the module from moving inside the tube.
3. The steel/concrete tube could be buttressed by several triangular panels connecting the tube and the base pad.